

FIELD REPLACEABLE SPARES (MH 357)

The level of field replaceable spares to be established in FY 64 was determined as follows:

1. The Reliability Department determined the failures per hour per device using data from the Equipment Log Cards.
2. The number of systems in operation - 4.
3. Total operating hours - 2000
4. Turn-around-time - 2 months.
5. Expected failures = Failures/hour/unit X operating hours/system/month X number of systems X turn-around-time.
6. When the expected failures had been determined a Poisson Chart was used to determine the number of spares. The quantity selected from the Poisson Chart was such that would insure to within 90% that a spare would be available each time one was required.

The attached chart shows each device by part number the failures/hour/unit, expected failures, spares level, quantity on hand, and FY 64 requirements.

| <u>Device</u> | <u>Failures/hour/ Unit</u> | <u>Expected Failures</u> | <u>Spares Level</u> | <u>Qty on Hand</u> | <u>FY 64 Req.</u> |
|---------------|--------------------------------|------------------------------|-------------------------|------------------------|-----------------------|
| 913488 | .0006847 | 1.4 | 1 | 0 | 1 |
| 905069 | .0002567 | .5 | 1 | 0 | 1 |
| 905269 | .0016262 | 3.3 | 2 | 0 | 2 |
| 910019 | .0017118 | 3.7 | 2 | 0 | 2 |
| 905156-1 | .0030814 | 6.2 | 2 | 0 | 2 |
| 906174 | .0000814 | 0.2 | 1 | 0 | 1 |
| 906176 | .0003423 | .7 | 1 | 0 | 1 |
| 905405 | .0031669 | 6.3 | 3 | 0 | 3 |
| 917983-1 | .0001718 | .3 | 1 | 0 | 1 |
| 905457 | .0002567 | .5 | 1 | 0 | 1 |
| 905334 | .0004279 | .9 | 1 | 0 | 1 |
| 915964 | .0023966 | 4.8 | 2 | 0 | 2 |
| 912219 | .0005135 | 1.0 | 1 | 0 | 1 |
| 904796 | .0005991 | 1.2 | 1 | 0 | 1 |
| 915525 | .0005135 | 1.0 | 1 | 0 | 1 |
| 905686-1 | .0004279 | .9 | 1 | 0 | 1 |
| 914481 | .0009415 | 1.9 | 1 | 0 | 1 |
| 904646 | .0000855 | .2 | 1 | 0 | 1 |
| 904642 | .0004279 | .9 | 1 | 0 | 1 |
| 904800 | .00014 | .3 | 1 | 0 | 1 |
| 904801 | .00014 | .3 | 1 | 0 | 1 |
| 904802 | .00014 | .3 | 1 | 0 | 1 |
| 904640-1 | .00056 | 1.3 | 1 | 0 | 1 |
| 904640-2 | .00056 | 1.3 | 1 | 0 | 1 |
| 904640-4 | .00056 | 1.3 | 1 | 0 | 1 |
| DGG8001B3 | .00188 | 3.6 | 4 | 2 | 5* |
| DGG116A3 | .00083 | 1.7 | 3 | 0 | 6* |

* Includes 3 for spare platform

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